Amendments to the Specification

Please replace the paragraph on Page 1, lines 6 - 9, with the following marked-up replacement paragraph:

-- The present invention is related to U. S. ~~Patent_____, titled~~ <u>Patent 6,640,230, titled</u> "Calendar-Driven Application Technique for Preparing Responses to Incoming Events" (serial ~~number 09/_____), filed~~ <u>number 09/671,001), filed</u> concurrently herewith. This related invention is commonly assigned to International Business Machines Corporation (IBM), and is hereby incorporated herein by reference. --

Please replace paragraph that begins on Page 29, line 6 and carries over to Page 30, line 12, with the following marked-up replacement paragraph:

-- Fig. 7 illustrates a GUI display panel 700 that may be used to enter information for an "immediate contact" attribute. As previously stated, attribute values may be associated with context events, with specific events, or with both context and specific events. Fig. 7 provides an example of the latter situation. Here, the out of office and outside working hours context events (shown at 710) have an immediate contact attribute value 720, and a different default value for this attribute can be defined for unscheduled time during the in office and at an alternate work location context events (as shown at 730 and 740). However, the specific events shown at 790 may have values for this immediate contact attribute that will override the values for the context events. This immediate contact information may then be used to provide information to (for example) an e-mail sender or a voice mail caller when the personal assistant application

Serial No. 09/670,844   -2-   Docket RSW9-2000-0068-US1

determines that the addressee or callee is not available. As shown by the example values entered on this panel, this user can be most immediately contacted by pager 720 when the user's current context is "out of the office" or when it is outside normal working hours 710. (Alternatively, separate entry fields can be provided if it is desired to allow different attribute values for these two context event types.) When this user's current context event is "in the office" or "at alternate work location" 730, his default means of immediate contact is through an instant messaging system, as shown at 740. This user also prefers to be contacted by instant messaging when a specific event on his electronic calendar indicates that he is in various types of meetings, as shown at 750. However, this example also illustrates that this user prefers to be contacted by pager when his specific event is that he is traveling 760 or by e-mail 770 when the user's specific event indicates he should not be disturbed. The user may indicate, as shown at 780, that he wishes his cellular phone number to be given out to someone who is attempting to contact him immediately, but the automatic transfer fails. In the preferred embodiments, this option is available only if cellular phone access has been selected as the means of immediate contact (e.g. from the associated drop-down list) for the context event or specific event which is active at that time. While several example examples have been depicted, the drop-down lists shown in Fig. 7 preferably contain selections for a wide variety of communication techniques. --

Please replace the paragraph on Page 33, lines 8 - 17 with the following marked-up replacement paragraph:

— The logic of Figs. 5A and 5B is invoked when a particular user's hierarchically-

Serial No. 09/670,844   -3-   Docket RSW9-2000-0068-US1

calendared events are to be evaluated. Examples of events that may invoke this processing include detecting an incoming instant message or e-mail message for a user's account (in which case it is desirable to determine whether to send an automated response to that message), detecting a request for an instant messaging user's status (where this type of status can be requested in prior art instant messaging systems prior to sending an instant message to the user), and detecting an incoming voice call which the user does not answer. Or, as an example using the project management scenario discussed earlier, this logic may be invoked when the project manager requests a project management application to determine whether a particular team member is available for consultation and if so, how that person can be reached. --

Please replace the paragraph that begins on Page 35, line 19 and carries over to Page 36, line 15 with the following marked-up replacement paragraph:

-- Preferably, the subject line 1010 of the generated e-mail response indicates that the addressee is not currently available (see element 1020) so that the sender of the e-mail message which triggers this response will be quickly alerted to that fact. The addressee's applicable context event and specific event (if any) for the target period have been interrogated to programmatically determine when this addressee will return to the office, as shown at 1050. In this example, the context is out of the office, as shown at 1040. The addressee's attribute information for the applicable context event and specific event (if any) have also been interrogated to enable informing the e-mail sender as to when this addressee is likely to view the sender's message, as shown at 1060. The subject line 1010 may also notify the e-mail sender that the

Serial No. 09/670,844   -4-   Docket RSW9-2000-0068-US1

addressee is checking e-mail, as shown at 1030. An optional personal message 1070 may be

provided as an attribute which may be overridden, if desired, using (for example) a text string

which has been entered in field 840 or 850 of Fig. 8. One or more alternate means of contact

1080 or identification of an alternate contact person 1090 may also be provided, using

information which this user has previously entered as preferences (for example, by entering

default preference values using a GUI display such as that shown in Figs. 6 and 7, and/or Figs. 7

and 8, and/or as preference override values according to the logic of Fig. 4). --

Please replace the paragraph on Page 39, lines 8 - 12 with the following marked-up replacement

paragraph:

-- Referring now to Fig. 12, after the user updates his electronic calendar (Block 1200),

the revised data is preferably stored in a database table associated with this user (Block 1210).

When the calendar monitoring agent is invoked, it receives or has access to this information for

each user. To process a particular user's calendar data, the calendar monitoring agent locates

parses the information into separate context event and specific event entries (Block 1220). --

Please replace the paragraph that begins on Page 39, line 13 and carries over to Page 40, line 3

with the following marked-up replacement paragraph:

-- Using this parsed located information, the table entries previously discussed are created

(Block 1230). An 1220). An example table 1400 is shown in Fig. 14. In the preferred

embodiment, this table contains an entry for each set of different context event, specific event,

Serial No. 09/670,844   -5-   Docket RSW9-2000-0068-US1

and attribute settings throughout a 2-day period. (Entries may be purged once the corresponding time period has elapsed, however.) Each entry preferably contains a name or identifier of the person to which the entry pertains (element 1405); the person's phone number 1410 (in the case of a voice mail response); a starting time 1415 and ending time 1420 for each entry; a state indicator 1425; a status indicator 1430; and zero or more attribute fields such as how often the person is checking voice mail (or e-mail) in the time period reflected by this entry, shown in table 1400 as the "responsive" attribute 1435, and the most immediate way of contacting the person in this time period, as shown by the "immed" attribute 1440. --

Please replace the paragraph on Page 41, lines 8 - 20 with the following marked-up replacement paragraph:

-- The user's calendar is then broken up into blocks of contiguous time (Block ~~1240 of~~ 1230 of Fig. 12), where each block has the same characteristics (i.e. the same context, specific event, and attribute values). When separate tables are created for voice mail, e-mail, and instant messages, the blocks are determined using only those attributes which are pertinent to that table. For example, if a user's calendar indicates that he (1) normally arrives for work at 8 a.m. and (2) leaves at 5 p.m., (3) has a meeting scheduled from 9 a.m. to 11 a.m., and (4) goes to lunch between 11:30 a.m. and 12:30 p.m., then the blocks of time will be from 8 to 9, 9 to 11, 11 to 11:30, 11:30 to 12:30, and 12:30 to 5. Blocks are also preferably created for the user's outside working hours periods, so another block for this user begins at midnight of the evaluation period and ends at 8 a.m. (assuming the user's attribute values are identical through this time period),

Serial No. 09/670,844   -6-   Docket RSW9-2000-0068-US1

and one or more other blocks represent the user's status after he leaves work at 5 p.m. If more than one day is to be represented by the entries in the table(s), the calendar entries for the additional days are similarly processed to determine the contiguous blocks. --

Please replace the paragraph that begins on Page 42, line 10 and carries over to Page 43, line 3 with the following marked-up replacement paragraph:

-- The process shown in Fig. 13 may be used to determine the attribute values for the purpose of determining the contiguous blocks created by Block ~~1240. As~~ 1230. As shown in Fig. 13, the user's default preferences are retrieved (Block 1300), as are any overrides which have been created for particular instances of calendared events (Block 1310). For each attribute type to be reflected in table 1400, Block 1320 checks to see if there is a corresponding override. If not, then an indicator reflecting the default attribute value is stored in the table (Block 1330); otherwise, an indicator reflecting the override value is stored (Block 1340). As shown in columns 1435 and 1440 of the example table 1400, these indicators are preferably short numerical values that are defined to represent a particular predefined value. For example, an entry of "2" for the responsive attribute 1435 may indicate that this person checks his voice mail every 2 hours, while an entry of "0" may indicate that he is not checking voice mail at all, and so forth. While only short numerical settings are shown in Fig. 14, additional or different types of information may be used. As an example, for the most immediate means of contact attribute 1435, additional information (such as the person's cellular phone number or pager number, when applicable) is preferably stored as another field in table 1400 to optimize retrieval of that information when

Serial No. 09/670,844   -7-   Docket RSW9-2000-0068-US1

needed. --

Please replace the paragraph on Page 43, lines 4 - 9 with the following marked-up replacement paragraph:

-- Returning now to the discussion of Fig. 12, upon creating the contiguous blocks of time for a particular user, any previously-existing entries in table 1400 for this user are preferably deleted (Block ~~1250) and~~ 1240) and the new entries are added (Block ~~1260). This~~ 1250). This technique enables efficiently accommodating any changes that may be made throughout the day as the user's calendar entries change. The processing of Fig. 12 is then repeated for the next user, until table 1400 reflects all the users for which the calendar monitoring agent is responsible. --

Serial No. 09/670,844   -8-   Docket RSW9-2000-0068-US1